

**ABSTRACT**

5 Communications systems are disclosed having a  
transmitting apparatus for transmitting a signal to a  
receiving apparatus, the transmitting apparatus  
comprising transmitting means for transmitting a  
plurality of directional transmission beams to the  
10 receiving apparatus via different transmission paths,  
each transmission beam carrying a transmission signal.  
The transmitting apparatus may include coding means  
(58) for coding the transmission signals carried by the  
transmission beams, the coding means (58) being  
15 arranged to code the transmission signal carried by one  
transmission beam differently from the transmission  
signal carried by another transmission beam. The  
transmitting apparatus may receive a feedback signal  
(122) indicating the quality of the various  
20 transmission beams and transmit a data signal only in  
selected transmission beams. A time advance may be  
selectively applied to some of the transmission signals  
so that the transmission signals arrive at a receiving  
apparatus in time synchronism.

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(Figure 4)